

# EXCURE 20000EB FOOD

## CHARACTERISTIC

The inks of Excure series 20000EB FOOD show very good adhesion on all possible closed substrates.

## PROPERTIES

- ☞ Good adhesion
- ☞ Excellent film lamination properties
- ☞ Good 'post-curing' rate
- ☞ The Excure 20000EB FOOD series contains carefully selected raw materials to minimise the risk of skin irritation and causes as little odour as possible. It does not contain raw material listed on TSCA exclusion list. All raw materials used are in compliance with the EUPIA Exclusion policy.
- ☞ Optimal resistance properties will be obtained 24 hours after printing
- ☞ Formulated without benzophenone
- ☞ Formulated without ITX

## APPLICATION AREA

- Letterpress
- Wet offset

## EB FOOD CURING SPEED (110 kV at 30 kGy)

→ 330 m/min

## SUITABLE SUBSTRATES (surface tension see 'Recommended treatment levels')

- ☞ High gloss paper and board
- ☞ Hard and soft vinyls (corona treated)
- ☞ Coated metals
- ☞ Pre-treated plastic films (polyester, acetate)

*Preliminary adhesion tests are recommended*

## AVAILABLE COLOUR SHADES

- ☞ Process colours
- ☞ Mixing system
- ☞ Opaque white

♻️ Other colours: on request

## REFERENCES EXCURE 20000EB FOOD

|  |                 | <b>IWS</b> | <b>Alcohol</b> | <b>Nitro</b> | <b>Alkali</b> |
|--|-----------------|------------|----------------|--------------|---------------|
| <b><u>Process colours – wet offset</u></b> |                 |            |                |              |               |
| Yellow                                     | EXC20001EB FOOD | 5          | +              | +            | +             |
| Magenta                                    | EXC20002EB FOOD | 5          | +              | +            | -             |
| Cyan                                       | EXC20003EB FOOD | 8          | +              | +            | +             |
| Black                                      | EXC20004EB FOOD | 8          | +              | +            | +             |
| <b><u>Base Inks</u></b>                    |                 |            |                |              |               |
| Mixing white                               | EXC20900EB FOOD |            |                |              |               |
| Opaque white                               | EXC20901EB FOOD |            |                |              |               |
| Transparent white                          | EXC20902EB FOOD |            |                |              |               |
| Yellow                                     | EXC20912EB FOOD | 5          | +              | +            | +             |
| Yellow fast 6                              | EXC20913EB FOOD | 6          | +              | +            | +             |
| Yellow IWS 7                               | EXC20914EB FOOD | 7          | +              | -            | +             |
| Warm yellow                                | EXC20916EB FOOD | 5          | +              | +            | +             |
| Orange                                     | EXC20920EB FOOD | 5          | +              | +            | +             |
| Orange fast                                | EXC20921EB FOOD | 7          | +              | +            | +             |
| Warm red fast                              | EXC20931EB FOOD | 7          | +              | +            | +             |
| Rubine red                                 | EXC20940EB FOOD | 5          | +              | +            | -             |
| Rubine red fast 6                          | EXC20941EB FOOD | 6          | +              | +            | +             |
| Rubine red fast 7                          | EXC20942EB FOOD | 7          | +              | +            | +             |
| Rhodamine red fast 7                       | EXC20951EB FOOD | 7          | +              | +            | +             |
| Purple fast*                               | EXC20953EB FOOD | 7          | +              | +            | +             |
| Violet fast                                | EXC20961EB FOOD | 7          | +              | +            | +             |
| Reflex blue fast*                          | EXC20963EB FOOD | 7          | +              | +            | +             |
| Blue 072 fast*                             | EXC20965EB FOOD | 7          | +              | +            | +             |
| Cyan                                       | EXC20970EB FOOD | 8          | +              | +            | +             |
| Green                                      | EXC20980EB FOOD | 8          | +              | +            | +             |
| Black                                      | EXC20990EB FOOD | 8          | +              | +            | +             |

\*These inks should not be used for mixings, as they are already built up out of other base inks.

## REMARKS

- ★ *To improve scuff resistance of non-laminated surfaces, EB FOOD-overprint varnishing is recommended.*
- ★ *Cleaning: it is not necessary to wash the press immediately after printing. The Excure 20000EB FOOD series will not cure in the press and is therefore ready to use for the next day's printing. However, the ink may start to cure in the press if sunlight or UV-light from the bulbs is allowed to shine on the ink.*
- ★ *Shelf life: the Excure 20000EB FOOD series has a 12-month shelf life guarantee. This guarantee covers 12 months from the date of manufacture (which is mentioned on the label). In order to give this guarantee, certain recommendations must be followed: the Excure 20000EB FOOD series should be kept on stock at temperatures between 15 – 20°C and they should not be exposed to direct sunlight or heat. If possible, store the ink in a dark room.*
- ★ *Rollers: the following roller material is recommended: EPDM (Ethylene-Propylene-Diene-Monomers). EPDM rollers show excellent performance with EB FOOD-inks. They are not suitable for conventional inks, since they will swell considerably in contact with aliphatic hydrocarbons, which are used in traditional offset inks.*
- ★ *Certain Metallic EB FOOD-inks may cause swelling of EPDM rollers*
- ★ *Nitril rubber: nitril rubber rollers show minimal swelling with EB FOOD-inks and conventional inks. Solvents such as glycol and acetates do have a tendency to make this rubber swell. Nitril rubber is recommended when using two component metallic inks.*
- ★ *Letterpress plates: the Excure 20000EB FOOD series can be used together with the majority of the marketed letterpress plate materials. The best results are achieved by using soft plates for solids and harder plates for line, text and process work.*

## PACKAGING

- 1 kg tins  
*packed in card board boxes of 10 or 20 kg*  
*packed in palbox of 140 kg*  
*palletbox of 225 kg*  
*palletboxx of 360 kg*
- 3 kg tins  
*packed in card board boxes of 12 or 24 kg*  
*packed in palbox of 180 kg*  
*palletbox of 270 kg*  
*palletboxx of 504 kg*
- 10 kg pails
- 200 kg barrels
- 300 kg containers

## ADDITIVES

|                     |                         |          |
|---------------------|-------------------------|----------|
| ◆ Fountain additive | pH 5                    | EXC10900 |
|                     | pH 4.8                  | EXC10910 |
| ◆ Wash-up solution  | for manual washing      | EXC10810 |
|                     | for automatic washing   | EXC10800 |
|                     | labelling and reg. free | EXC10820 |
| ◆ Antitack paste*   |                         | EXC10001 |
| ◆ Thinner           |                         | EXC10705 |

## RECOMMENDED TREATMENT LEVELS (DYNES / CM)

|                    |              | PE | PP | PVC | PET | PS | PVDC | PU | ABS | PTFE | Silicone |
|--------------------|--------------|----|----|-----|-----|----|------|----|-----|------|----------|
| <b>Litho</b>       | <b>Min.:</b> | 40 | 40 | 36  | 44  | 42 | 42   | 38 | 42  | 38   | 38       |
|                    | <b>Max.:</b> | 50 | 50 | 52  | 56  | 50 | 52   | 52 | 52  | 52   | 52       |
| <b>Letterpress</b> | <b>Min.:</b> | 42 | 40 | 40  | 46  | 42 | 42   | 42 | 45  | 42   | 40       |
|                    | <b>Max.:</b> | 54 | 54 | 52  | 60  | 58 | 54   | 56 | 52  | 60   | 56       |